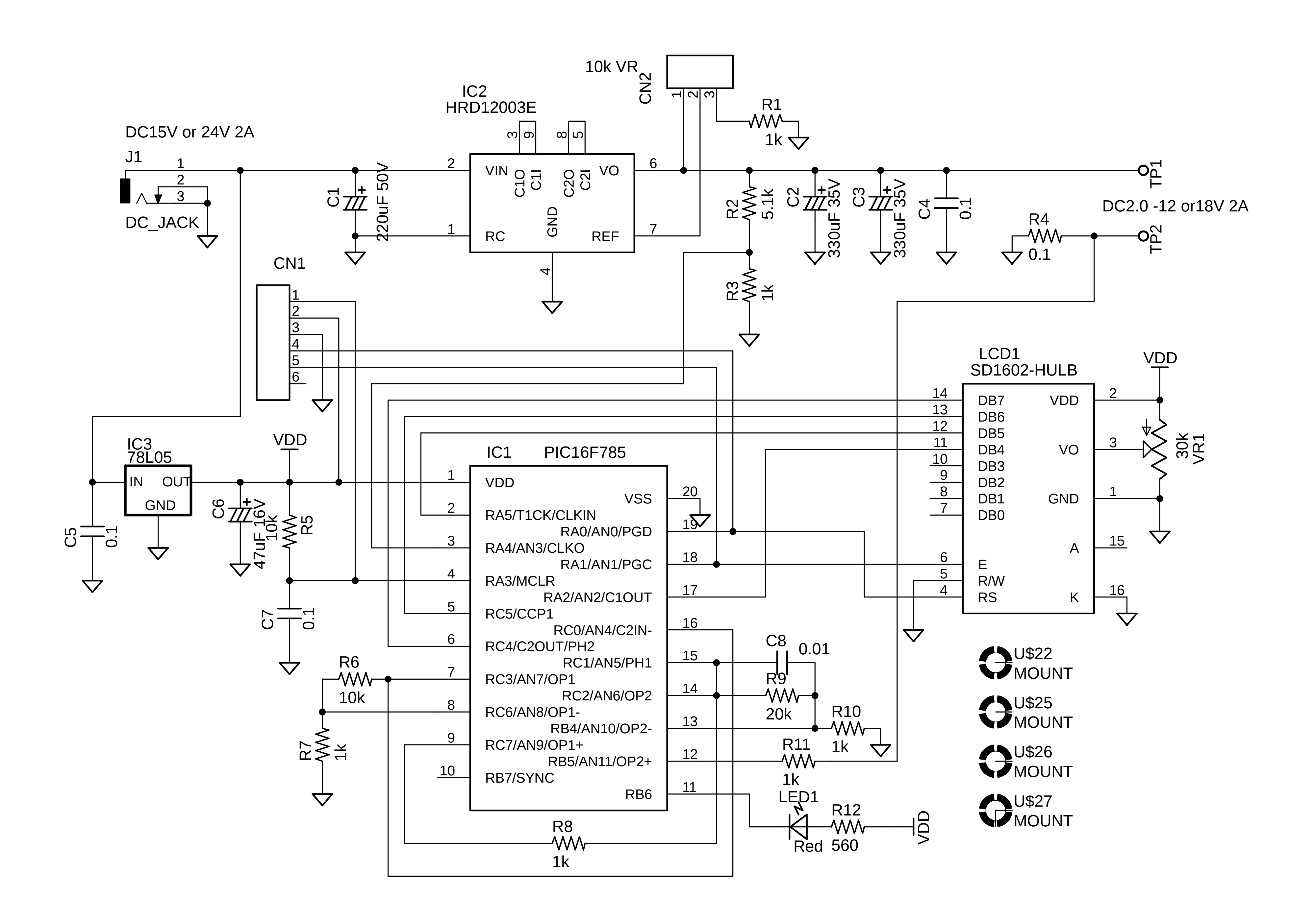


DC15V or 24V 2A
J1
DC_JACK
C1
220uF 50V
IC2
HRD12003E
VIN
RC
VO
REF
GND
C1O
C1I
C2O
C2I
10k VR
CN2
R1
1k
R2
5.1k
R3
1k
C2
330uF 35V
C3
330uF 35V
C4
0.1
TP1
TP2
DC2.0 -12 or18V 2A
R4
0.1
CN1
LCD1
SD1602-HULB
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
VDD
VO
GND
A
E
R/W
RS
K
VDD
30k
VR1
IC3
78L05
IN
OUT
GND
VDD
C5
0.1
C6
47uF 16V
R5
10k
C7
0.1
IC1
PIC16F785
VDD
VSS
RA5/T1CK/CLKIN
RA0/AN0/PGD
RA4/AN3/CLKO
RA1/AN1/PGC
RA3/MCLR
RA2/AN2/C1OUT
RC5/CCP1
RC0/AN4/C2IN-
RC4/C2OUT/PH2
RC1/AN5/PH1
RC3/AN7/OP1
RC2/AN6/OP2
RC6/AN8/OP1-
RB4/AN10/OP2-
RC7/AN9/OP1+
RB5/AN11/OP2+
RB7/SYNC
RB6
R6
10k
R7
1k
R8
1k
C8
0.01
R9
20k
R10
1k
R11
1k
LED1
Red
R12
560
VDD
U$22
MOUNT
U$25
MOUNT
U$26
MOUNT
U$27
MOUNT